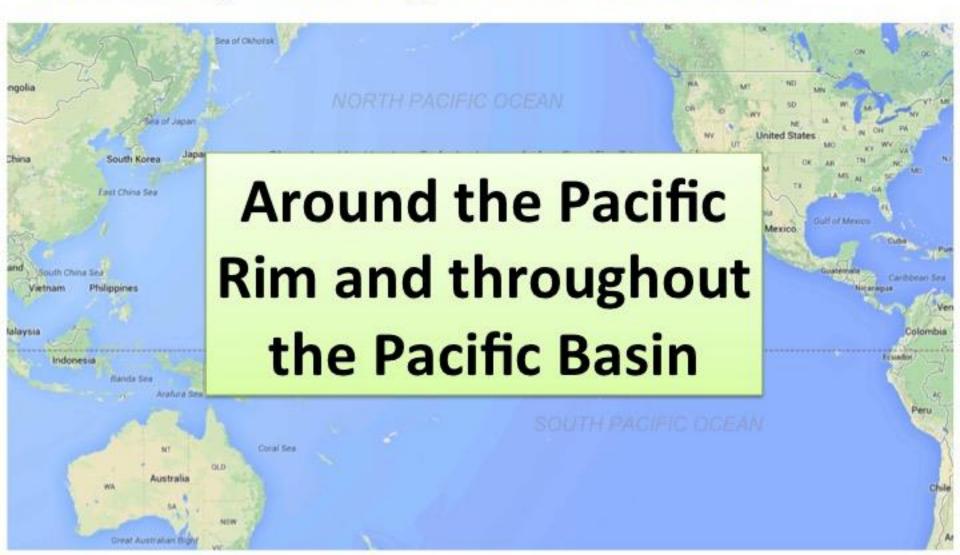
Washington Clean Coast AllianceExpanding Alliances......



MARINE DEBRIS!

Defined as "any persistent solid material that is manufactured or processed and directly or indirectly, intentionally or unintentionally, disposed of or abandoned into the marine environment or the Great Lakes."

MOST COMMON MATERIALS:

- Plastic
- Glass
- Metal
- Paper
- Cloth
- Rubber
- Wood



IMPACTS:

- Economic loss
- Human health/safety
- Habitat damage
- Wildlife
 - Entanglement
 - Ghostfishing
 - Ingestion
- Vessel damage and navigation hazards
- Non-native species transport





Marine debris kills!



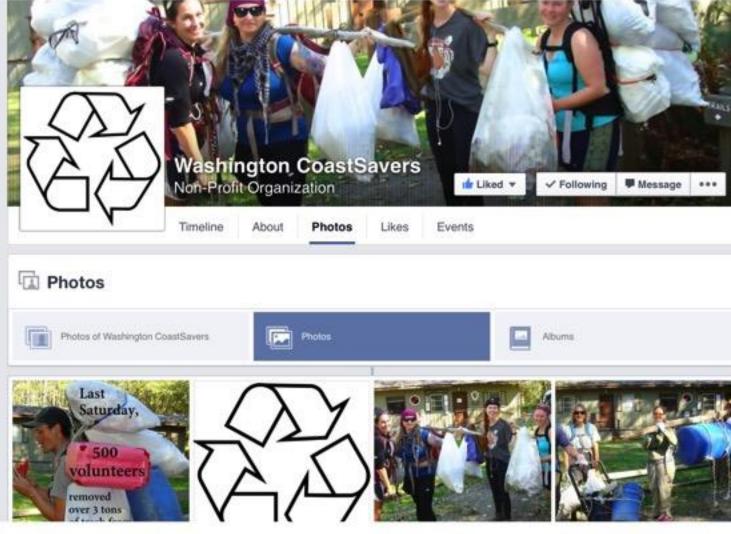








Organized volunteers impact problem. www.coastsavers.org



CoastSavers on Facebook

CoastSavers



Washington CoastSavers is an alliance of partners and volunteers dedicated to keeping the state's beaches clean of marine debris through coordinated beach cleanups, education, and prevention.



- Beach cleanup efforts since 1971!
 - Pacific Northwest Four Wheel Drive Association
 - Jan Klippert
 - Grass Roots Garbage Gang
- WA Clean Coast Alliance, 2007
- Representatives from the following organizations and agencies:
 - Grass Roots Garbage Gang
 - Lions Club International
 - Surfrider Foundation
 - Discover Your Northwest
 - The Mountaineers
 - Olympic Coast National Marine Sanctuary
 - Olympic National Park
 - Washington State Parks
 - NOAA's Marine Debris Program

Washington Clean Coast Alliance www.coastsavers.org















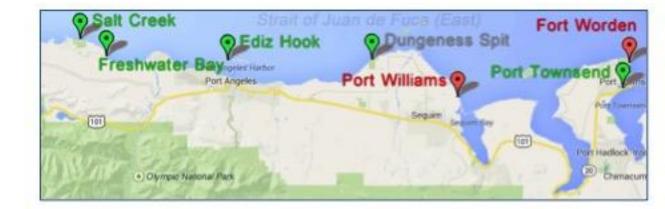
Grassroots Garbage Gang





Where we clean.

- Coastline of Washington twice a year
- 70% of Olympic National Park beaches
- Washington State Parks
- Strait of Juan de Fuca
- Makah, Quileute, Hoh and Quinault Beaches













Overflowing dumpster filled with plastic and styrofoam





IKASH U<mark>ulleui</mark> VOLUNTEER you collect are important for Trash Free Seas. Ocean TOTAL # **EXAMPLE:** Please DO NOT use words or check marks. OCEAN TRASH DATA FORM Cons Only **numbers** are useful data. Plastic Bags: TOTAL # MOST LIKELY TO FIND ITEMS: = Beverage Bottles (Plastic): Beverage Bottles (Glass): Beverage Cans: Grocery Bags (Plastic): Other Plastic Bags: Paper Bags: Cups & Plates (Paper): Cups & Plates (Plastic): Cups & Plates (Foam): TOTAL # TOTAL # FISHING GEAR: PACKAGING MATERIALS: 6-Pack Holders Other Plastic/Foam Packaging: Other Plastic Bottles (oil, bleach, etc.): Strapping Bands: **Collect Data** TOTAL # Tobacco Packaging/Wrap: TOTAL # PERSONAL HYGIENE: Condoms: Diapers: Syringes: Tampons/Tampon Applicators: Fireworks: NUMBER OF VOLUNTEERS SITE INFORMATION: TIMORKING ON THIS CARD: TOTAL # **TINY TRASH LESS THAN 2.5CM** State or Foam Pieces Province 2,5cm Glass Pieces (actual size) or Landmark: Plastic Pieces MOST UNUSUAL ITEM COLLECTED: TYPE OF CLEANUP: DEAD/INJURED ANIMAL **ENTANGLED** TYPE OF ENTANGLEMENT ITEM Dead or Injured Yes or No ITEMS OF LOCAL CONCERN Make positive 2. 3. International changes every day by **CLEANUP SUMMARY (circle units)** downloading our free mobile Number of Trash Bags Filled: Weight of Trash Collected: Distance Cleaned: miles/km app, RIPPL

Analyze and Display Data



RESEARCH, PASSION & COLLABORATION

INFORMING SOLUTIONS WITH DATA

A Coordinator Portrait from Paraguay: Pamela Morales Nieves

In 2014, the Trash Free Seas" team had the pleasure of meeting Pamela Morales Nieves, International Coastal Cleanup (ICC) Country Coordinator for Paraguay, while she was in Washington, D.C. for meetings.

Originally from Puerto Rico, Pamela now serves as a Peace Corps Environmental Conservation volunteer in Pilar, Paraguay. Her involvement with the ICC and the impact of her efforts in bringing cleanups to Paraguay are quite remarkable.

A flyer posted on Pamela's college campus in San Juan, Puerto Rico, led her to her first coastal cleanup. She considers this experience to be her awakening into environmental service and activism. She was a site captain for the next four years, leading cleanups with Puerto Rico's ICC Coordinating Organization, SCUBA Dogs Society.

Pamela brought her experience with cleanups to her current role. Although landlocked, Paraguay is surrounded by rivers and its waterways eventually flow into the Atlantic Ocean. She discovered that outside of major cities, many Paraguayans have few choices when it comes to disposing trash. Lacking waste management systems, communities are forced to either burn their trash or discard it in public places, often near waterways.

Determined to turn things around, Pamela worked tirelessly to introduce a cleanup into her community for the 2013 ICC. The concept caught on, and during the 2014 ICC, her recruitment efforts led to 200 volunteers participating at three cleanup sites, where nearly 4,525 pounds of trash were removed.

Thanks to Pamela, entire through the threat that trash poses to Paraguay's waterways. There is now a widespread eagerness to develop better waste collection systems to stop the flow of trash from inland to the ocean.

Confronting Ocean Plastic Pollution at the Global Scale

Ocean Conservancy has "talked trash" for years through the unparalleled efforts of International Coastal Cleanup volunteers. But we've long known that picking up trash alone will not solve the marine debris problem — and the latest science shows that more and more plastic enters our ocean every year. This growing tide of trash must be stopped before it ever gets near the ocean, and Ocean Conservancy's Trash Free Seas*

team, working with a host of partners throughout the world, are rolling up our proverbial sleeves to do just that.

For the past three years, Ocean Conservancy has conferred with experts, engaged renowned scientists and called on industry to help develop a systemic solution that addresses ocean plastics globally.

There is a range of ways to mitigate plastic pollution, and all have value and contribute to solving this growing problem. Bans and product fees have proven effective at reducing the most abundant and impactful forms of ocean trash, like plastic bags, Innovative redesign of products and packaging is prompting manufacturers to consider the full life cycle of the products they produce. And public-facing campaigns

are successfully empowering consumers to reduce their consumption and increase usage of reusable containers, mugs and grocery bags.

But we need other solutions, too. We need a more systemic intervention, global in scope and impact, to adequately reduce the flow of plastics into the ocean and truly turn the tide on debris.

Ocean Conservancy has developed a plan - and industries are getting on board. Through our Trash Free Seas Alliance*, we have launched a new global initiative to find a comprehensive solution to the global ocean plastics crisis. Working alongside industry, economists, waste experts and NGOs. we are developing a sophisticated strategy to establish locally relevant waste management interventions in countries where they are needed most. With a focus on closing major plastic leakage pathways and overcoming economic impediments, this approach aims to create the conditions that make it possible for local communities to gather, separate, sell and treat plastic waste, thus reversing the tide of plastics entering the ocean and advancing the health, economies and well-being of the communities served.

Plastics have done, and continue to do, much good for the world – think automotive, medical and other industrial breakthroughs. But plastic producers and consumer goods companies have a responsibility to ensure their products don't end up in the ocean, where harm can occur. An economically visible and equitable solution can and must be crafted to confront this global problem.

Ocean Conservancy is committed to finding a win-win for the ocean and for business. It is a big, bold and ambitious challenge, but it is absolutely imperative if we wish, someday, to truly celebrate Trash Free Seas.*.



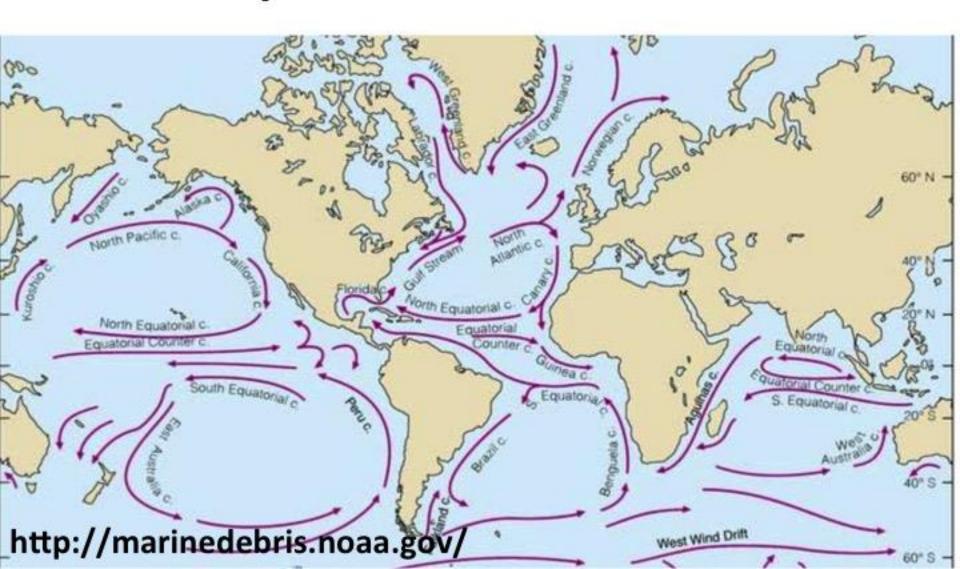
SEPARATION

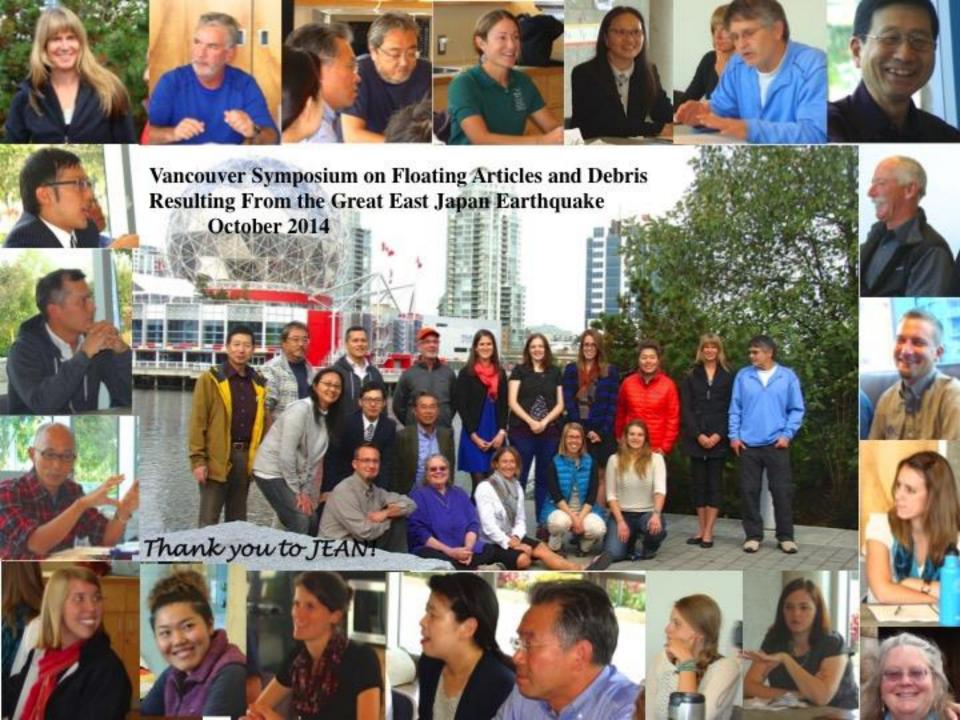
How does trash travel?

Plastic bag from a store in the city

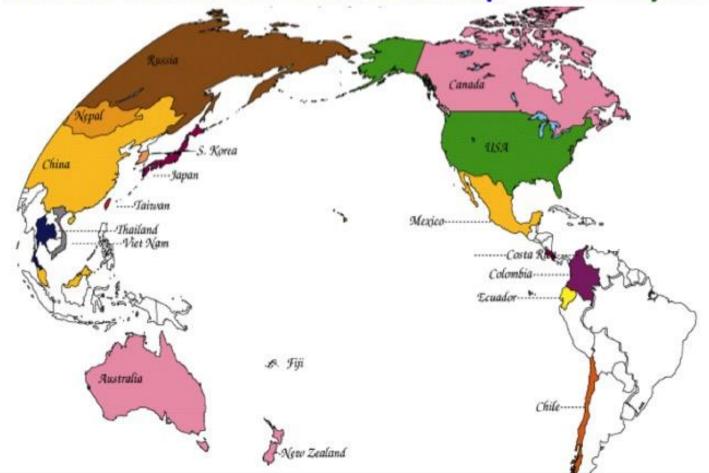


2011 Tsunami Impacts Awareness and Response to Marine Debris





Join the Pacific Rim Beach Cleanup- Earth Day 2016



Global Reach?

Lions Club International Surfrider Ocean Conservancy

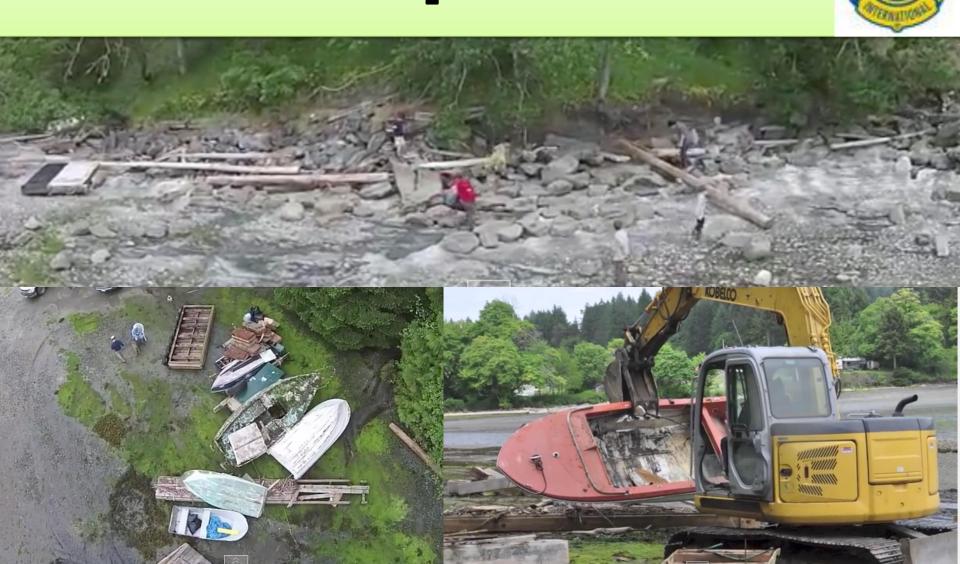
Lions Clubs International Service Goal- Protecting the Environment Lions Clubs International Quarterly Video



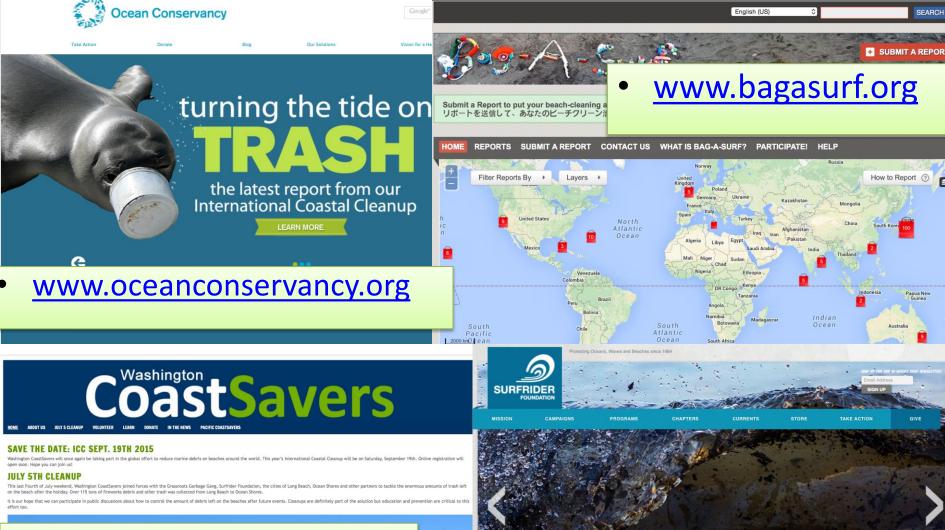


Gabriola Island Lions Beach Cleanup May 2015 British Columbia

www.youtube.com/watch?v=-SRxVd6mV00&feature=youtu.be

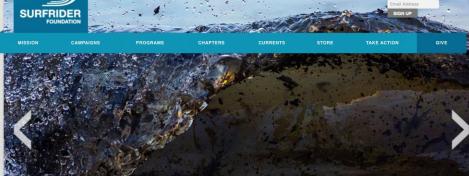






www.coastsavers.org







TAKE ACTION

NOT





Work Together to Clean Up Marine Debris Around the Pacific Basin



Express your interest. Fill out form at http://www.coastsavers.org Select Pacific Coastsavers

We are looking for partners and volunteers.

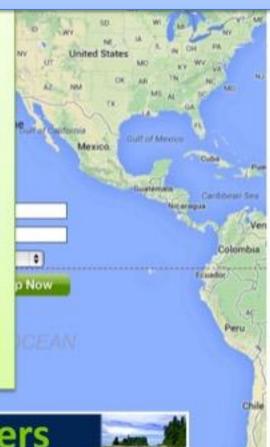
Questions: Email able@olypen.com

Goal: A healthy ocean that sustains life. Please help.

> Imagine the impact of groups of organized volunteers on global problems.

- ◆Ideas for Next Steps Video Documentary. Media Home.
- Contacts-People and **Organizations**
- ▶ Technology Assistance

Total Recycling & No Dumping



CoastSavers

Fill out form at xpress your interest. http://www.coastsavers.org Select Pacific Coastsavers

We are looking for partners and volunteers. Questions: Email able@olypen.com